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C-130XJ Super Hercules
Proven, Capable, Expandable



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Proven, Capable, Expandable

The newly “expandable” C-130XJ aircraft takes advantage of the exceptional operational capabilities of the baseline C-130J Super Hercules. The aircraft is offered at a reduced price based on a combination of uninstalled Line Replaceable Units (LRUs) and the configuration return to the legacy C-130 cargo handling system. Provisions remain intact to re-install equipment removed from the affordable baseline contingent upon the user’s operations.

The C-130XJ retains the major operational features of the C-130J. These major features include:

- Two-pilot cockpit
- Integrated avionics suite
- Dual mission computers
- Two Head-Up Displays (HUDs) certified by the FAA for use as a primary flight reference – ensuring minimal pilot workload under all flight conditions due to integrated control of takeoff, cruise, low-level operations, airdrop and landing.
- Four Color Multipurpose Display Units (CMDUs)
- Low-Power Color Radar (LPCR)
- Four Rolls-Royce AE2100D3 turbo prop engines
- Dowty six-blade composite propellers
- Night vision compatible lighting system
- Data Transfer and Diagnostic System (DTADS)



The C-130XJ also retains the same rugged airframe of its predecessors, but is greatly improved with the performance and capability to prove it. The new propulsion system provides increased range, lower fuel consumption and improved takeoff performance. The engines flat rating of 4,591 propeller shaft horsepower (pshp) up to 104°F yields much improved performance at high altitudes and temperatures. The reduced takeoff distance allows the C-130XJ to operate from shorter runways; faster climb allows it to achieve safer altitudes more quickly to avoid hostile threats; higher cruise ceiling allows it to operate on more fuel-efficient routes; and faster cruise speed and decreased fuel burn allows for more sorties per day per aircraft.

The enhanced cargo handling system has been replaced with the standard and proven A/A32H-4A cargo handling system used worldwide on C-130B-H models as well as the C-130J models of the Royal Air Force, the Royal Australian Air Force, the Aeronautica Militare Italiana and the KC-130J aerial refueling tanker of the United States Marine Corps and the Kuwait Air Force.

The fully integrated avionics, communications and precision multifunction navigation systems ensure unparalleled situational awareness resulting in mission success under all weather conditions, day or night.

Lockheed Martin Aeronautics and its subcontractors have upgraded virtually every system of the aircraft to make it more durable, easier to maintain and less expensive to operate. System reliability and maintainability are improved by up to 50 percent; maintenance man-hours per flight hour are decreased by almost 70 percent; and flight and maintenance manpower are reduced by up to 50 percent – resulting in a reduction in squadron operating and support cost of almost 50 percent.